

JOB SHEET 10-10 OPTREAD UTILITY

INTRODUCTION

The OPTREAD program is a utility used to determine what products, status messages, and maps are stored on the Archive IV and Archive III optical disk. Note that this program is only compatible with optical disks created with software builds 6.1 or later. OPTREAD is run from the PUP's System Console with the applications software either up or down.

OBJECTIVE

Using the OPTREAD Utility and the System Console, you will be able to determine what products, status messages and maps are stored on your Archive IV or Archive III optical disk.

REFERENCE

NWS EHB 6-531-1, USERS GUIDE: PUP/RPGOP, Section 5.2

PROCEDURE

1. At the Applications Terminal, type **S,A** and press **RETURN**.
 - If an archive function is active, cancel it with the **A,C,A** command.
 - ***The OPTREAD program will not run if any archive function is active.***
2. Load either an Archive III or Archive IV disk in the PUP's optical disk drive.

3. At the System Console, type **OPTREAD** and press **RETURN**.
 - The OPTREAD Utility starts and the OPTREAD Main Menu displays seven choices.

```
*  O P T R E A D      Version 4.2
*
*  SELECT A NUMBER:
*  (1)  LIST PRODUCT FILE NUMBERS, DATES AND TIMES
*  (2)  LIST PRODUCT IN A FILE
*  (3)  LIST THE RPGS FOR WHICH MAPS ARE STORED
*  (4)  LIST MAPS AVAILABLE FOR A SPECIFIC RPG
*  (5)  SEARCH FOR A SPECIFIC PRODUCT
*  (6)  SEARCH FOR DATA GAPS
*  (0)  EXIT PROGRAM
```

CAUTION: *Do not remove the optical disk from the drive until executing option 0.*

THE SEVEN MAIN MENU CHOICES:

4. At the OPTREAD Main Menu, type **1** and press **RETURN**.
 - This command displays the volume name of the optical disk and all product files on the disk. Remember each file holds up to 200 products or status messages, so it may take one or two minutes to display the file. Product files are numbered from 1 to 500 with file number 1 containing data archived first to disk, file number 2 is the second group, etc. If more than one page is displayed you are prompted to continue.
 - Each product file number lists the date and time of the earliest and latest product or status message. Note that files are listed in chronological order and not in numerical order. Write down a file number from this list as it will be used in step 5.
 - The header displays whether the disk is Archive III or Archive IV and how many data blocks are available for storage on the current side.
5. At the System Console, type **2** and press **RETURN**.
 - This command displays a second level menu prompting you to select either option A or B.

- a. Type **A**, for option A, and press **RETURN**. The screen displays, "Select a file number to examine." Note that the file numbers are found through the main menu option 1. The contents of the file are sent to the screen, one page at a time. Remember that some products have a graphic portion and a paired alphanumeric portion. A product with a lower case "a" next to it indicates a paired-alphanumeric product. A product listed with an asterisk "*" next to it indicates an annotation for that product. Annotations are stored separate from their associated product.
 - b. Type **B**, for option B, and press **RETURN**. The screen displays, "Select a range of files to examine separated by a comma." The contents of the selected files are then displayed to the screen in a continuous stream of data. Remember to stop the screen from scrolling us the "<ctrl> S" command and to restart the scrolling use the "<ctrl> R" command. As in option A, a product with a lower case letter indicates a paired-alphanumeric product and a product with an asterisk (*) indicates an annotation for the product.
6. At the System Console, type **3** and press **RETURN**.
 - This command lists the mnemonic of each RPG with archive maps stored on the optical disk. **Note that this option must be selected with option 4.** If a complete map set is found for a particular RPG, the phrase "Auxiliary Map Set" is displayed next to the RPG mnemonic. Note that you can read these maps into the PUP's database as auxiliary maps (S,B).
 7. At the System Console, type **4** and press **RETURN**.
 - This command lists the background maps available from a specific RPG. It prompts you to enter the four character RPG mnemonic and then lists the map types found for that RPG. **Note for this option to work, menu option 3 must be selected first.**
 8. At the System Console, type **5** and press **RETURN**.
 - This command searches the optical disk for a specific product. You are prompted to enter a product name, data levels, resolution, time, and date. The program searches the entire side of the optical disk for the specific product file numbers that contain the product.

- If the specified product is found, all file numbers containing that product are listed. The system console displays "Product found in file # ***." Note the *** is replaced by a three digit file number.
9. At the System Console, type **6** and press **RETURN**.
- This command searches the optical disk for data gaps. **This function only works on an Archive III optical disk.** You are prompted to input a filename and the current side of the optical disk is searched for data gaps longer than 14 minutes. If a gap is found, a message is generated on the screen.
 - Note that the file name must be 1 to 8 characters with a 0 to 3 character extension. This search may take up to five minutes for a full side of an optical disk.
10. At the System Console, type **0** and press **RETURN**.
- This command stops the OPTREAD program and mounts the optical disk off. **Do not attempt to remove the optical disk without first executing this menu option.**

Potential Problems with the OPTREAD Program

- Remember that Version 4.2 of the OPTREAD program does not support optical disks created prior to Build 6.1.
- If a problem occurs with the OPTREAD program and you cannot terminate the program with menu option **0**, you must cancel the OPTREAD program. At the system console, press <BREAK> key to display the asterisk. At the Asterisk type **CA 0** and press **RETURN**. The system's response should be **END OF TASK 255**.
- In menu option 5, you are prompted to enter the product name, data level, resolution, time, and date. If one of these parameters is not applicable to that product enter a 0. For example, the VIL product is only available in 16 data levels. In menu option 5, data levels are not applicable for VIL, so a **0** is entered.

END